ABSTRACT OF THE DISCLOSURE

A software simulation system and method that improves repeatability in simulations of computer and electrical apparatuses where a messaging broker control process acts as an

5   intermediary between one or more servers and one or more clients associated with each server. In one embodiment, the control process resides as a stand alone system from the servers and clients it regulates, and stops the servers upon each of them reaching a synchronization point. In addition, the control process orders messages received from servers to deliver to clients in a predetermined manner, using a timestamp system maintained by the control process for all user

10 specified events.